

CLAIMS:

What is claimed is:

1. An adjustable frame for holding paint roller, the frame comprising:

a pair of square arms which have uniform bending-shape, wherein each of the square arms includes a distal part which is opposite to the other distal part, a joint part which is assembled opposite to and in line with the other joint part, a pair of shafts which are opposite to each other and are respectively fixed at the ends of the distal parts to insert into the hole(s) on the two ends of a paint roller, and a pair of racks which are opposite to each other and are respectively fixed at the ends of the joint parts; and

a square tube which is straight, wherein the square tube holds to the pair of joint parts respectively through its two ends and holds the pair of racks into its internal space accordingly, the pair of racks meshing with a gear wheel across the gear wheel within the internal space of the square tube; and

a tee-joint which holds to the square tube, wherein both the square tube and the tee-joint have a pair of bearing holes through their walls, the pair of bearing holes holding up a bar to which the gear wheel is fixed, and at least one knob being fixed to one of two ends of the bar outside the wall of tee-joint.

2. The adjustable frame of Claim 1, wherein the racks are fixed respectively at the ends of the joint parts with screw fasteners.

3. The adjustable frame of Claim 1, wherein the adjustable frame further comprising: a pair of fastening sets which are configured respectively at the two ends of the square tube, wherein each of the sets includes an inner pipe which has male screw on its outer wall and an outer pipe which has female screw on its inner wall cone-shaped, the inner pipe
- 5 holding to both the square tube and the joint part of the square arm, the outer pipe fitting the inner pipe to enhance the square tube's force for holding to the joint parts.
4. The adjustable frame of Claim 1, wherein the tee-joint includes a screw socket which has female screw on its inner wall to couple with a handle and has male screw on its outer wall cone-shaped to couple with a screw tube having female screw on its inner wall.